Figure 1 - Perspective View of the Hard Drive Haven

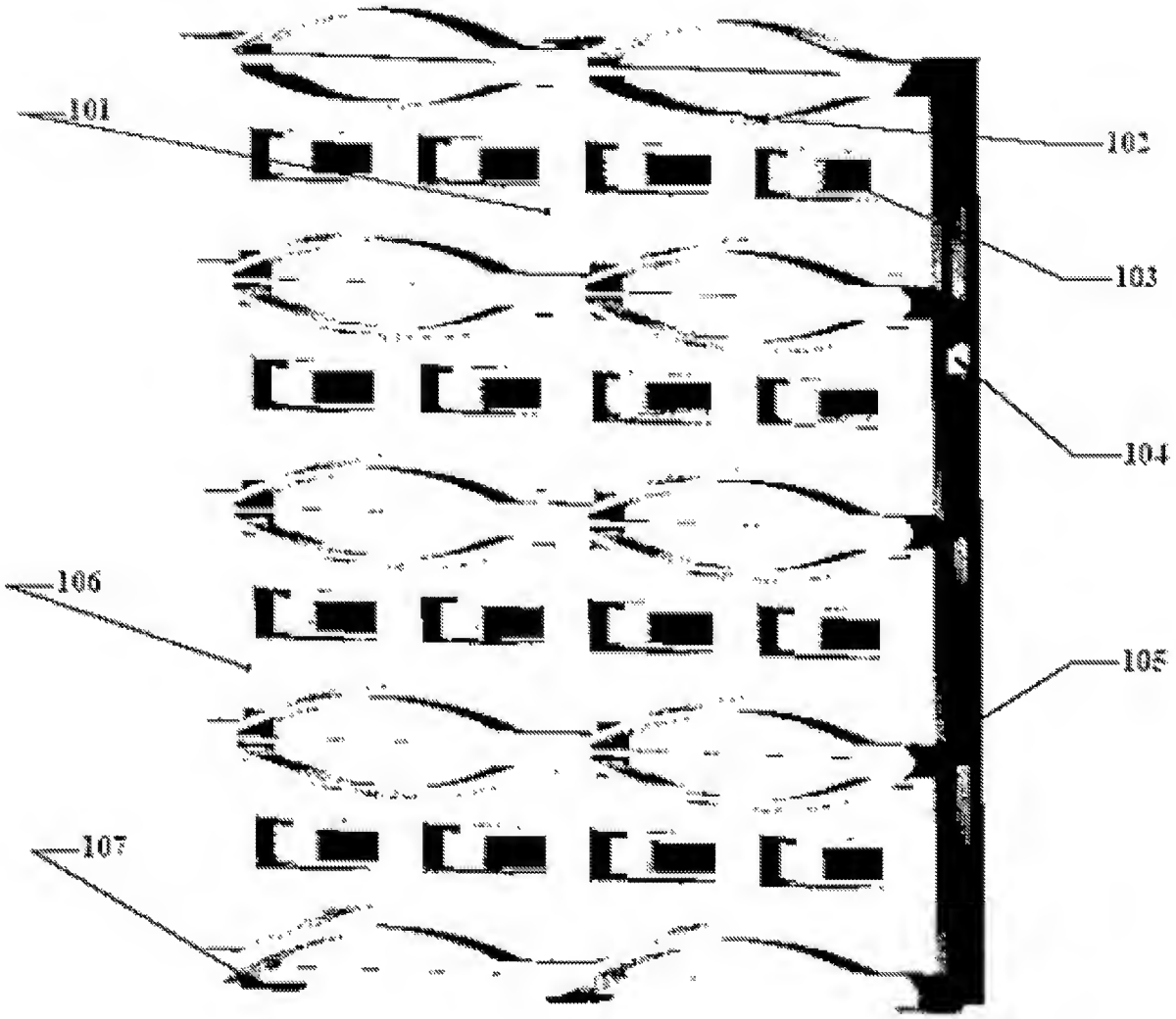


Figure 2 -Front View of the Hard Drive Haven

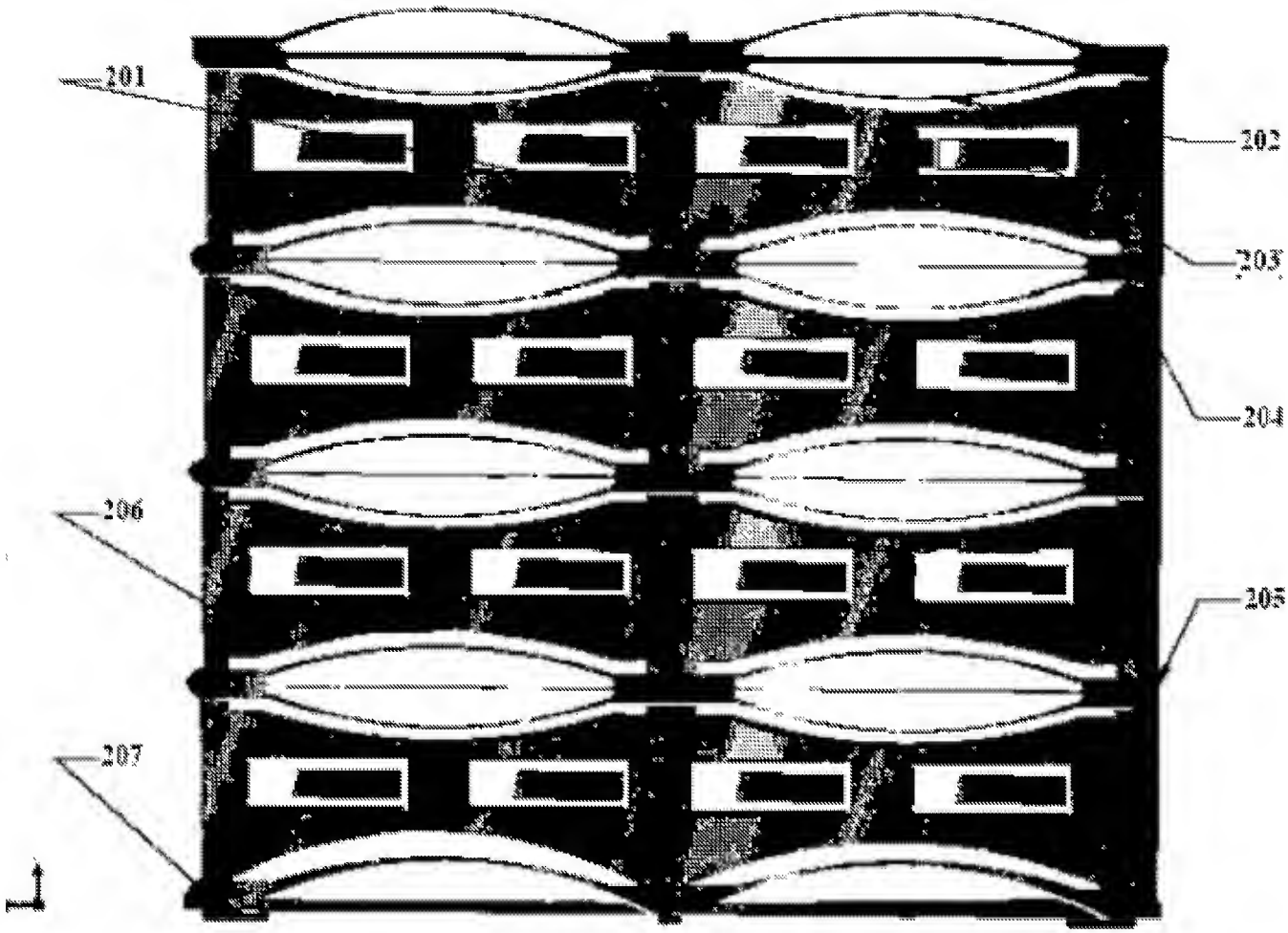


Figure 3 - Side View of the Hard Drive Haven

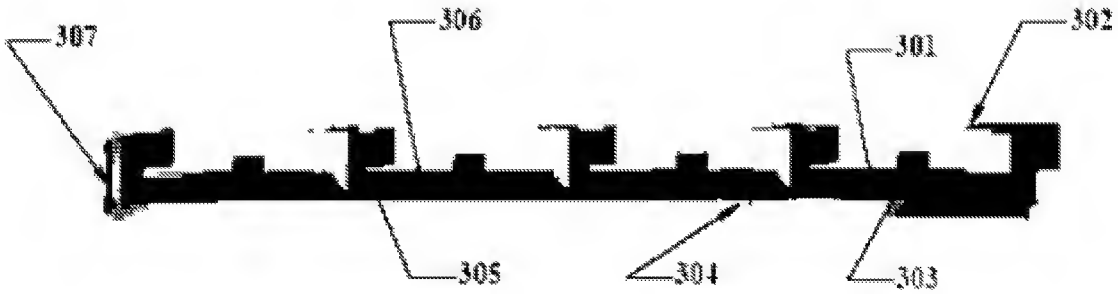


Figure 4 - Perspective View of the Hard Drive Haven Faceplate

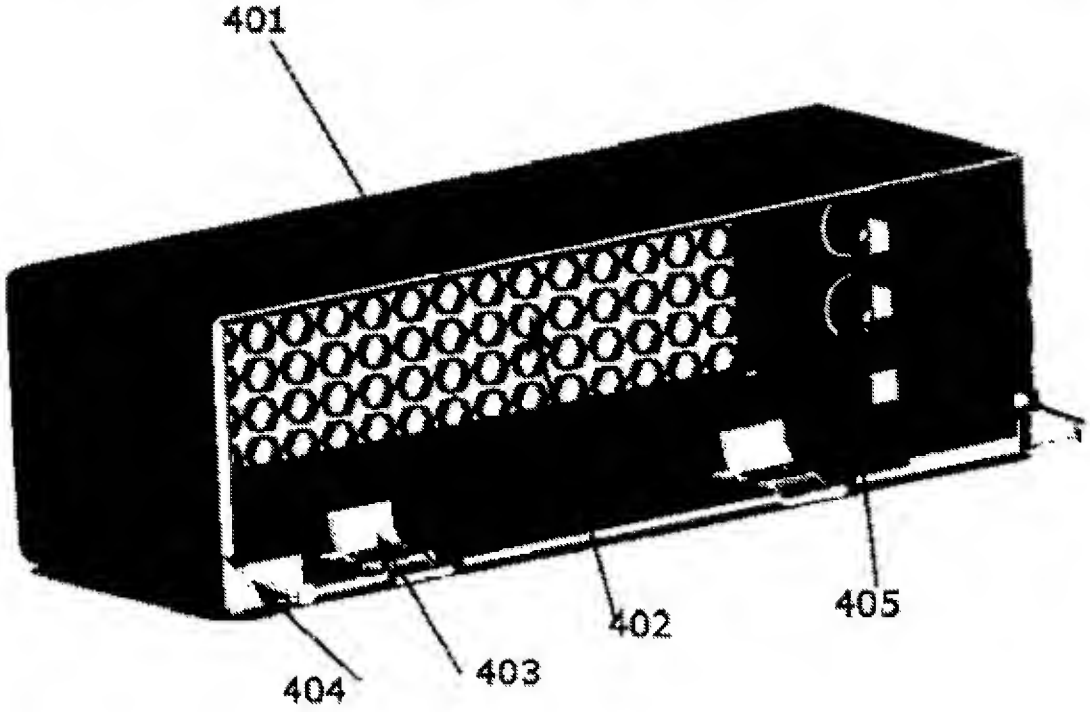
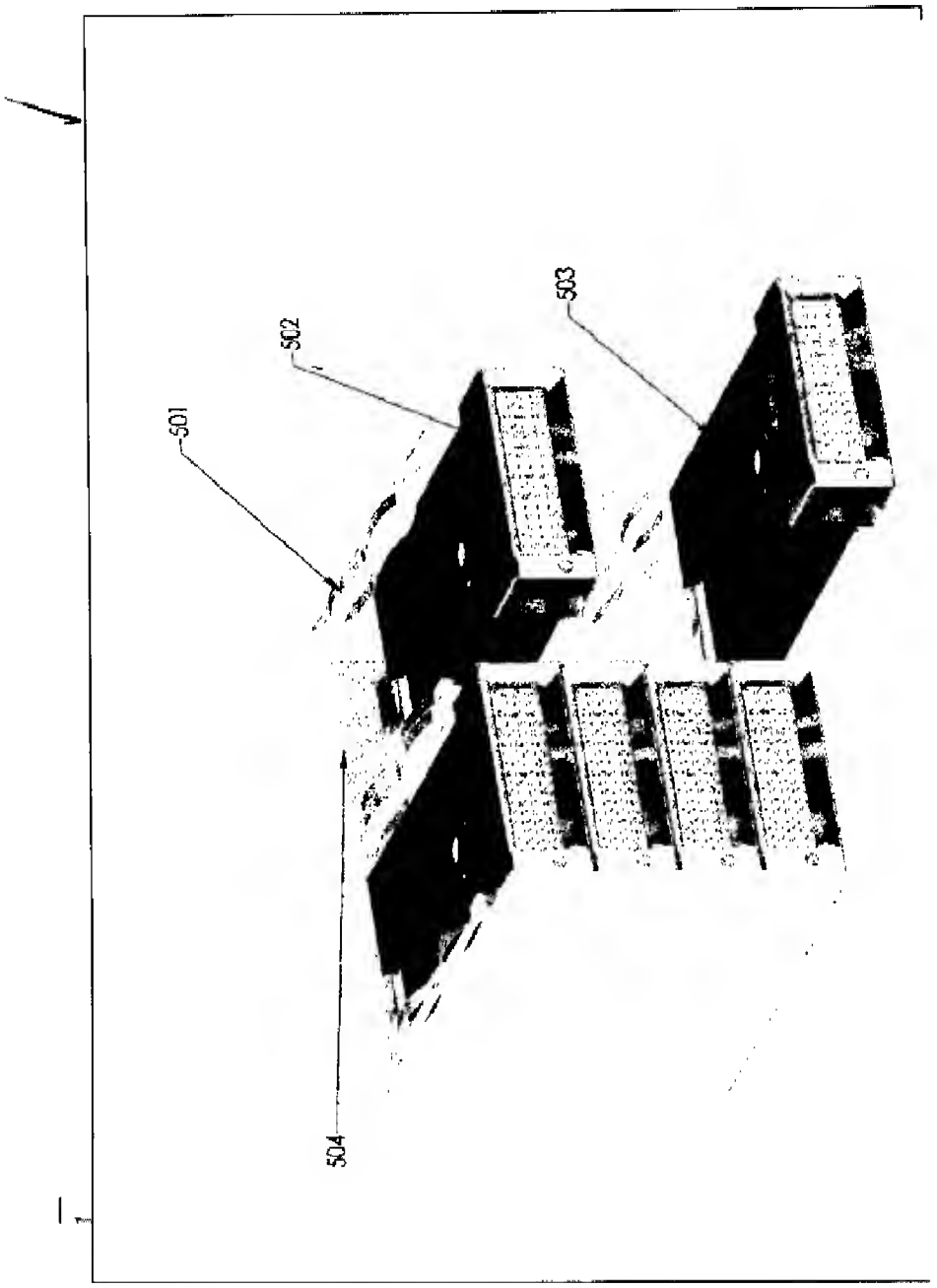


Figure 5 – An Example of a Hard Drive Haven Assembly



Deleted:

Fig 5

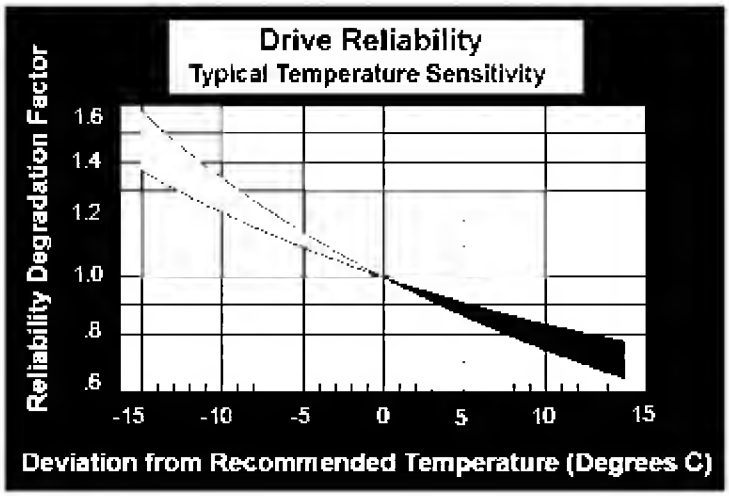
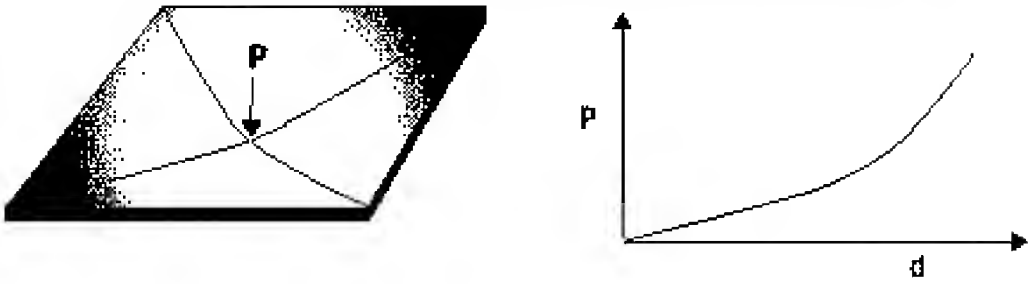
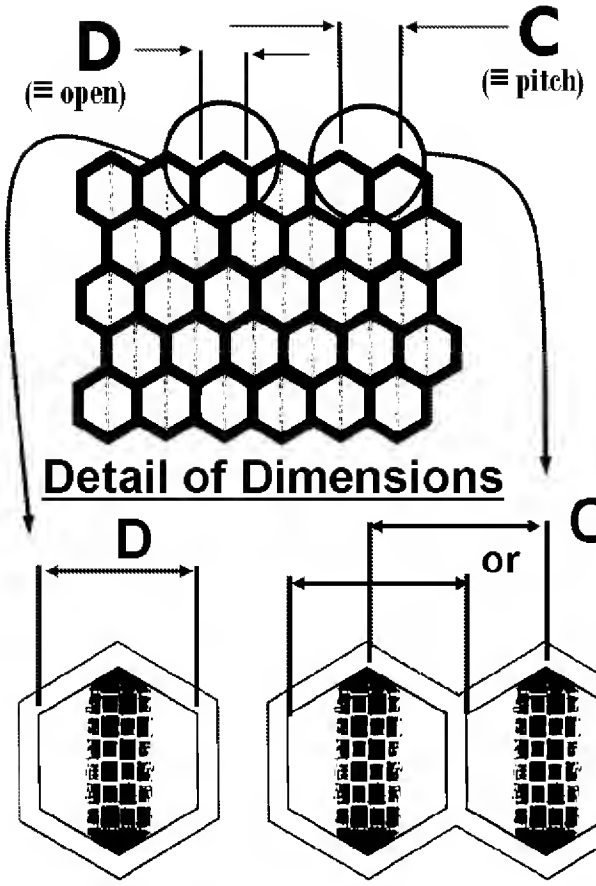


Figure 6: Drive reliability decreases significantly as temperature rises above recommended levels





$$\%O.A. = 100 \times \left\{\frac{D^2}{C^2}\right\}$$

(OA ≡ Open Area)

Where the current Haven faceplate values for C & D are①: C = 0.155

D = 0.125

$$\%O.A. = 100 \times \left\{\frac{0.125^2}{0.155^2}\right\}$$

$$\%OA = 65\%$$

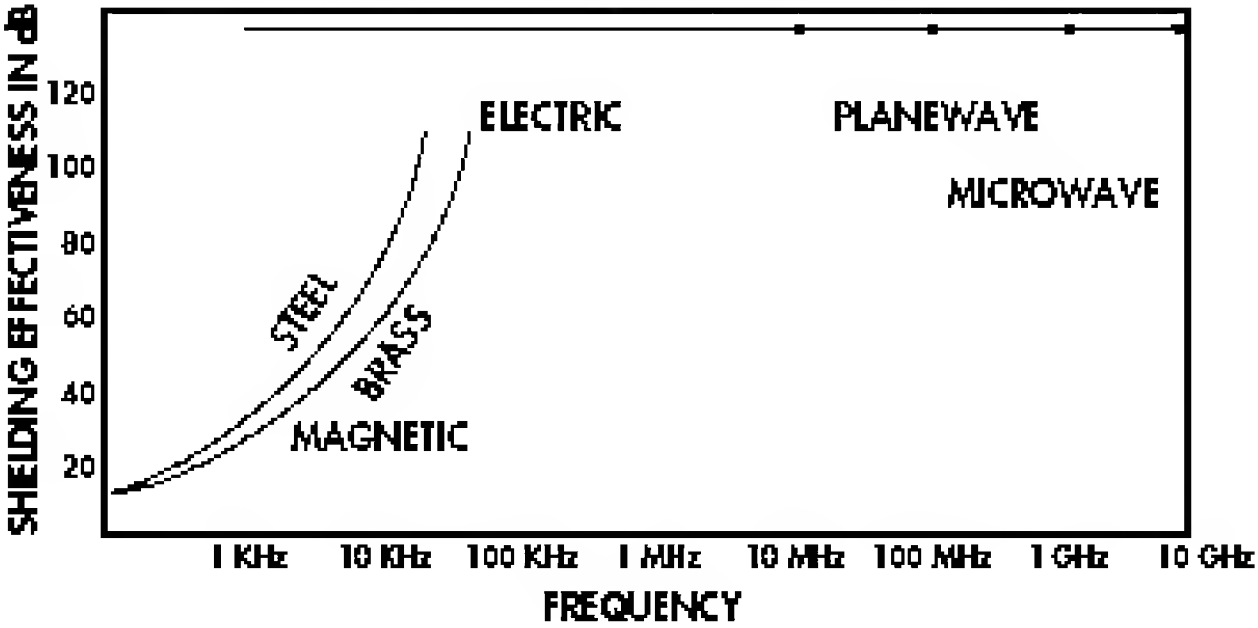
Corrected ②$$\%OA = 0.65*0.805$$

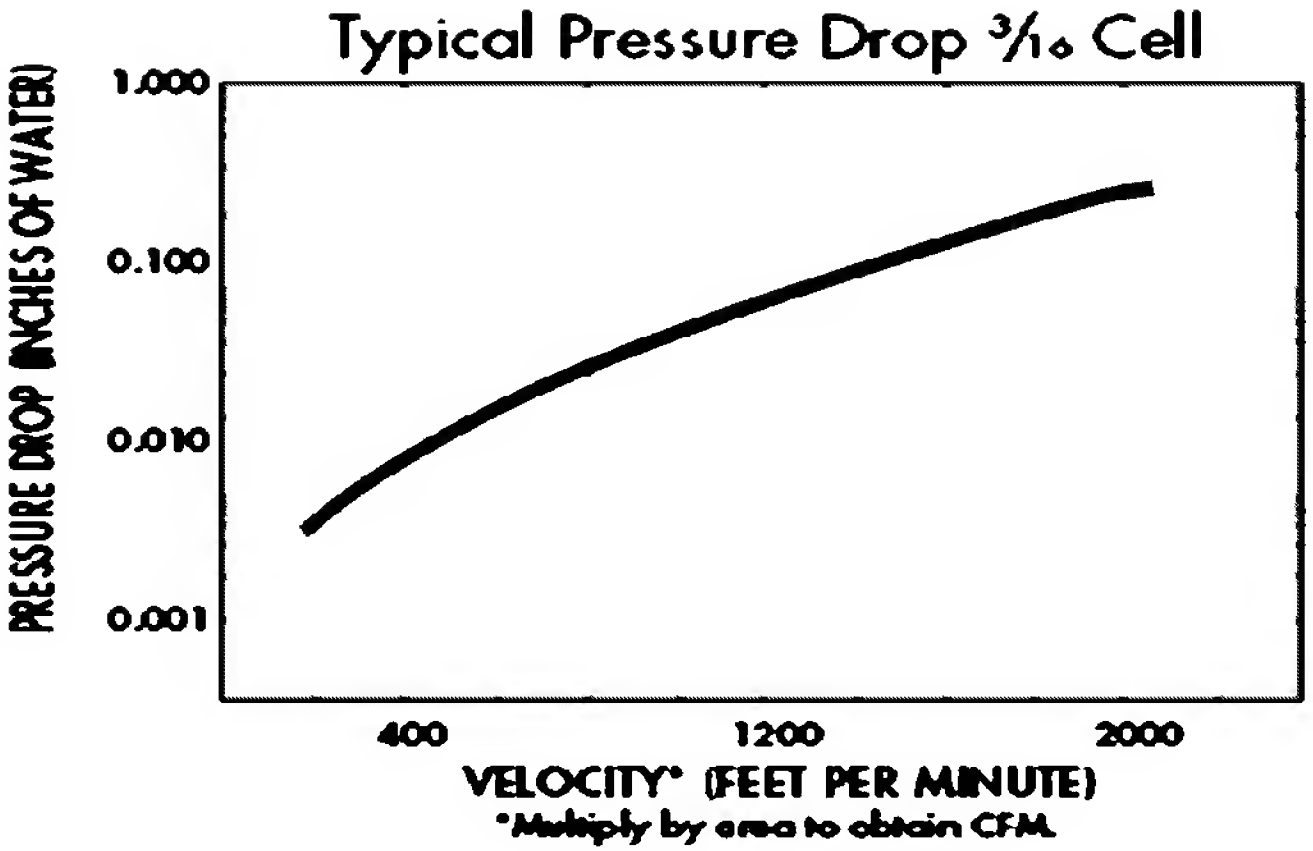
$$= 52.4\ \%$$

① Dimensions from the SolidWorks model, as shown on the next page (dated May 29, 2004).

②%OA – taking a cross section of the faceplate, the perforated portion of the faceplate represents ~ 80.5% of the total faceplate cross section.

Typical Shielding Effectiveness 3/16 Cell




Typical Pressure Drop 3/16 Cell
PRESSURE DROP (INCHES OF WATER)
1.000
0.100
0.010
0.001
400
1200
2000
VELOCITY* (FEET PER MINUTE)
*Multiply by area to obtain CFM.